

QL40-FTC Data Sheet

The QL40FTC and QL40FTC-B Fluid Temperature Conductivity probes provide high quality borehole temperature and fluid conductivity measurements. Each sub can be run stand-alone, or with other QL tools in a custom stack. The FTC-B is a bottom sub, while the FTC is an inline sub.



QL40-FTC Schematic. Image courtesy of Mount Sopris Instruments.

Measurements can be calibrated in $\mu\text{S}/\text{cm}$ or mS/m for Conductivity and degrees F or C for Temperature. Other QL probes commonly stacked with the QL40FTC include the QL40GR (Natural Gamma), QL40RES (Multi-Point Resistivity), and QL40CAL (3-Arm Caliper).

To improve the accuracy of measurements the QL40-FTC sensor is protected within the nose of the probe as a result of the nature of the measurement the QL40-FTC probe has to be fitted to the bottom of a stack.

Basic water quality logs have many applications. This tool is frequently used in ground water work, geothermal gradient logging, salt-water intrusion studies, and many more environmental projects.

Operating Conditions

W - Water ?

M - Mud ?

D- Dry ?

S - Steel ?

P - PVC Borehole ?

UC- Uncased ?

*Centralizers are not required

Product Dimensions

Physical	Dimensions (L x W x H)	Weight
(instrument only)	78cm x 4.2cm x 4.2cm	3.35kg

Technical Specifications

Pressure Rating:	200 Bar (3000 PSI).
Operating Temperature:	Up to 70°C.
Sensor:	Conductivity: 7 electrode reciprocal Wenner array. Temperature: Linear response semiconductor sensor.
Range:	Temp: -20 to +80°C Conductivity: 50 to 30,000 uS/cm
Accuracy:	Temp: better than 1% F.S. Conductivity: Better than 1% F.S
Resolution:	Temp: 0.1°C Conductivity: 0.05% F.S..5mm